

Section 1 - General Information

Chemical Name:

Fluticasone Propionate

CAS Reg. Number:

80474-14-2

Preparation Date/Revision Date:

4/10/2008

Manufacturer's Name:

Toronto Research Chemicals Inc.,

2 Brisbane Rd., North York, ON

Canada, M3J 2J8

Telephone Number:

416-665-9696 **Fax Number:**

416-665-4439

Section 2 - Hazardous Ingredients/Identity Information

EMERGENCY OVERVIEW Caution: Avoid contact and inhalation. Calif. Prop. 65 developmental hazard.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Appearance and Odor:

Crystalline Solid

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Solubility in Water:

N/A

Melting Point:

272-273 °C

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Section 4 - Reactive Data

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizing agents

Conditions to Avoid:

Strong oxidizers

Hazardous Decomposition or Byproducts:

Toxic fumes of carbon monoxide, carbon dioxide

Hazardous Polymerization:

will not occur

Section 5 - Control Measures

Respiratory Protection:

Niosh/Msha approved respirator

Ventilation:

Hood

Protective Gloves:

chemical resistant gloves

Eye Protection:

chemical safety goggles

Other Protective Clothing:

lab coat or apron

Other Protection:

safety shower and eye bath

Section 6 - First Aid Measures

Inhalation:

remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen.

Skin:

rinse with copious amounts of water for 15 min, remove contaminated clothing and shoes

Ingestion:

rinse mouth out with water provide the person is conscious. seek medical attention

Eyes:

flush eyes with copious amounts of water separating the eyelids with fingers

Section 7 - Health Hazard Data

Health Hazards (Acute and Chronic):

ROUTE OF EXPOSURE Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed. SIGNS AND SYMPTOMS OF EXPOSURE To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. TOXICITY DATA Oral Rat > 2000 mg/kg LD50 Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight gain. Subcutaneous Rat >1 GM/KG LD50 Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight gain. Endocrine: Other changes. Blood: Changes in serum composition (e.g., TP, bilirubin, cholesterol). CHRONIC EXPOSURE - TERATOGEN Result: Laboratory experiments have shown teratogenic effects. Species: Rat Dose: 1100 UG/KG Route of Application: Subcutaneous Exposure Time: (7-17D PREG) Result: Specific Developmental Abnormalities: Musculoskeletal system. Specific Developmental Abnormalities: Body wall. Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Species: Rabbit Dose: 52 UG/KG Route of Application: Subcutaneous Exposure Time: (6-18D PREG) Result: Specific Developmental Abnormalities: Hepatobiliary system. Specific Developmental Abnormalities: Respiratory system. Specific Developmental Abnormalities: Musculoskeletal system. CHRONIC EXPOSURE - REPRODUCTIVE HAZARD Species: Rat Dose: 1100 UG/KG Route of Application: Subcutaneous Exposure Time: (7-17D PREG) Result: Effects on Newborn: Viability index (e.g., # alive at day 4 per # born alive). Effects on Newborn: Stillbirth. Maternal Effects: Postpartum. Species: Rat Dose: 105 UG/KG Route of Application: Oral Exposure Time: (1-7D PREG) Result: Specific Developmental Abnormalities: Musculoskeletal system. Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).

Medical Conditions Generally Aggravated by Exposure:

May be harmful by inhalation, ingestion or skin absorption. may cause irritation.

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method:

dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations

Precautions to Be Taken in Handling and Storage:

Avoid contact and inhalation. Keep tightly closed. Restrict handling by unqualified personnel. Store in a Freezer, avoid prolonged, repeated exposure. Wash after handling

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media:

water spray. Carbon dioxide, Dry chemical powder or appropriate foam.

Special Fire Fighting Procedures:

wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Unusual Fire and Explosion Hazards:

Emits toxic fumes under fire conditions

Section 10 - Transportation Information and regulatory information

Transportation Information DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.